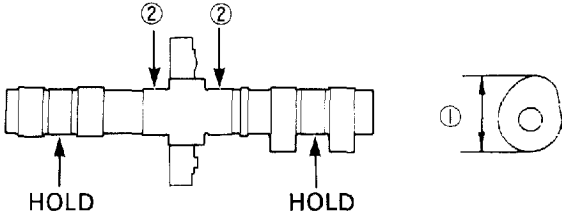
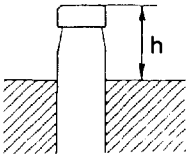


Cylinder head		Standard	Service limit
Cylinder compression		1.373 kPa (14.0 kg/cm², 199 psi)/400 rpm	—
Cylinder compression difference		Within 30 mmHg (1.2 inHg) of each other	—
Valve clearance IN		0.13–0.19 (0.005–0.007)	—
(cold) EX		0.22–0.28 (0.009–0.011)	—
Cylinder head warpage		—	0.1 (0.004)
Cam lobe height ① IN (49 state/Canada type)		36.280–36.440 (1.4283–1.4346)	36.25 (1.427)
(California type)		33.980–34.140 (1.3378–1.3441)	33.95(1.3366)
EX (49 state/Canada type) '90–'93:		36.370–36.530 (1.4319–1.4382)	36.34 (1.431)
After '93:		36.070–36.230 (1.4201–1.4264)	36.04 (1.419)
(California type) '90–'93:		35.270–35.430 (1.3886–1.3949)	35.24(1.3874)
After '93:		35.470–35.630 (1.3965–1.4028)	35.44(1.3953)
Camshaft runout ②		—	0.05 (0.002)
Camshaft oil clearance		0.020–0.062 (0.0008–0.0024)	0.10 (0.004)
			
Camshaft journal O.D.		24.949–24.970 (0.9822–0.9831)	24.94 (0.982)
Camshaft holder – Cylinder head I.D.		25.000–25.021 (0.9843–0.9851)	—
Valve stem O.D. IN		4.475–4.490 (0.1762–0.1767)	4.465 (0.1758)
EX		4.465–4.480 (0.1758–0.1764)	4.455 (0.1754)
Valve guide I.D. IN		4.500–4.512 (0.1772–0.1776)	4.562 (0.1796)
EX		4.500–4.512 (0.1772–0.1776)	4.612 (0.1816)
Stem-to-guide clearance IN		0.010–0.037 (0.0004–0.0015)	0.07 (0.0028)
EX		0.020–0.047 (0.0008–0.0019)	0.10 (0.0039)
Valve guide projection above cylinder head (h) IN		15.30–15.50 (0.602–0.610)	—
EX		15.30–15.50 (0.602–0.610)	—
 Before guide installation: 1. Chill the valve guides in the freezer section of a refrigerator for about an hour. 2. Heat the cylinder head to 100–150 °C (212–300°F).			
Valve seat width IN		1.0 (0.04)	1.5 (0.06)
EX		1.0 (0.04)	1.5 (0.06)
Valve spring free length Inner		34.2 (1.35)	32.5 (1.28)
Outer		38.1 (1.50)	36.2 (1.43)
inner IN		—	—
inner EX		—	—
outer IN		—	—
outer EX		—	—
Rocker arm I.D. IN		—	—
EX		—	—
Rocker arm shaft O.D. IN		—	—
EX		—	—
Rocker arm-to-rocker arm shaft clearance		—	—
Valve lifter O.D.		25.978–25.993 (1.0228–1.0233)	25.968 (1.0224)
Valve lifter bore I.D.		26.010–26.026 (1.0240–1.0246)	26.04 (1.025)
Hydraulic lash adjuster assist spring free length		—	—
Hydraulic lash adjuster compression stroke with kerosene		—	—